

Converting Colors

CIELCh(49, 21.862, 311.300)

Have a look what the booklet for
CIELCh(49, 21.862, 311.300)
contains.

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Color

CIELCh(49, 21.874, 311.622)

Conversions

Conversions Part 1

Format	Color
Hex	806D90
RGB	128, 109, 144
RGB Percent	50%, 43%, 56%
CMY	0.4974, 0.5719, 0.4346
CMYK	0.11, 0.24, 0.00, 0.43
HSL	273°, 14%, 50%
HSV	273°, 24%, 57%
XYZ	19.4614, 17.5941, 28.8254
YIQ	118.6710, 0.0890, 14.9130

Conversions

Conversions Part 2

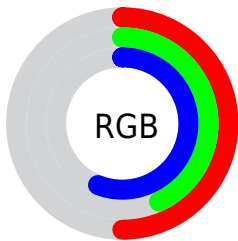
Format	Color
R _Y B	128, 109, 144
Decimal	8416656
CIE Lab	49.00, 14.53, -16.35
CIE LCh	49, 21.874, 311.622
Yxy	17.5941, 0.2954, 0.2671
Android (android.graphics.Color)	4286606736 (0xFF806D90)
YUV	118.6710, 12.4872, 8.1815
Hunter-Lab	41.9453, 9.4148, -11.3833

Details

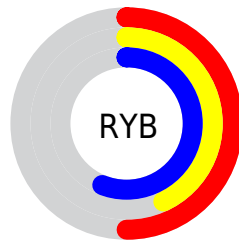
The CIELCh color $49, 21.874, 311.622$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 21.243, 129.492$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 21.662, 311.300$, and $29, 22.372, 311.164$ is the 20% darker color. If you saturate the color by 10%, you get $45, 31.199, 312.108$, and if you desaturate by 10%, it is $53, 12.708, 311.153$.

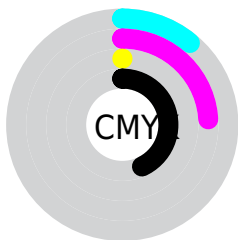
Distribution



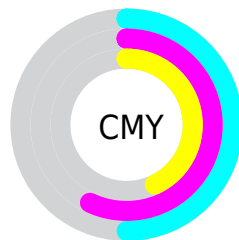
- Red (50%)
- Green (43%)
- Blue (56%)



- Red (50%)
- Yellow (43%)
- Blue (56%)



- Cyan (11%)
- Magenta (24%)
- Yellow (0%)
- Black (43%)



- Cyan (50%)
- Magenta (57%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 21.874, 311.622 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 49, 21.874, 311.622 by changing the saturation by 10% instead.


 49, 21.874,
311.622


 49, 21.874,
311.622


 100, 21.874,
311.622

 39, 21.874,
311.622

 69, 21.874,
311.622

 29, 21.874,
311.622

 79, 21.874,
311.622

 19, 21.874,
311.622

 89, 21.874,
311.622

 9, 21.874, 311.622

 99, 21.874,
311.622

 0, 21.874, 311.622

 49, 21.874,

 49, 21.874,

311.622

45, 31.199,
312.108

40, 40.584,
312.595

36, 49.853,
313.052

32, 58.722,
313.432

29, 66.776,
313.666

26, 73.476,
313.667

24, 78.289,
313.345

22, 80.696,
313.139

311.622

53, 12.708,
311.153

58, 3.762, 310.700

62, 4.939, 130.351

67, 13.386,
129.978

71, 21.580,
129.653

76, 29.527,
129.366

80, 37.237,
129.114

85, 44.723,
128.893

■ 89, 51.995,
128.701

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49, 21.874, 311.622



58, 21.243, 129.492

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49, 21.874, 311.622



49, 21.874, 1.622



49, 21.874, 131.622



49, 21.874, 181.622

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49, 21.873, 311.622



73, 7.689, 310.832



52, 12.177, 262.494



38, 4.983, 310.854



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 21.873, 311.622



60, 32.727, 311.880



51, 23.873, 326.645



28, 4.953, 310.923



21, 76.948, 313.206



0, 3.307, 310.549

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50, 16.929, 348.229



62, 25.277, 348.813



56, 23.857, 143.770



28, 3.841, 346.746



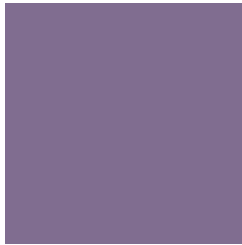
28, 52.704, 4.792



1, 2.563, 346.023

Previews

White Background



This preview shows how the CIELCh color 49, 21.874, 311.622 looks on a white background.

Color Contrast Check

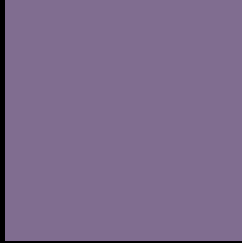
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 21.874, 311.622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 21.874, 311.622

Background



This preview shows how black text looks on a background with the CIELCh color 49, 21.874, 311.622.



This preview shows how white text looks on a background with the CIELCh color 49, 21.874, 311.622.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


49, 21.874, 311.622

Protanopia

49, 20.057, 285.721

Deuteranopia

49, 17.059, 292.394



Tritanopia
49, 7.183, 332.905

Trichromacy



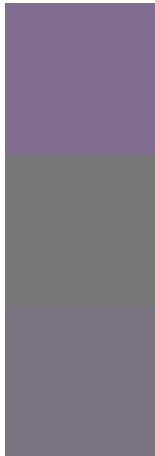
Original Color
49, 21.874, 311.622

Protanomaly
49, 20.039, 294.819

Deuteranomaly
49, 18.489, 300.541

Tritanomaly
49, 11.971, 318.711

Monochromacy



Original Color
49, 21.874, 311.622

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 8.147, 310.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 21.874, 311.622 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(128, 109, 144)` looks like.

```
.text, #text, p{  
    color:rgb(128, 109, 144)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(128, 109, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 109, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 21.874, 311.622 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 109, 144) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(128, 109, 144) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(128, 109, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 109, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 109, 144);  
box-shadow:4px 4px 4px 4px rgb(128, 109,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 21.874, 311.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 109, 144) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(128,  
109, 144) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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